



US005240696A

United States Patent [19]

Van Der Ouderaa et al.

[11] Patent Number: 5,240,696

[45] Date of Patent: Aug. 31, 1993

[54] TREATMENT OF PERIODONTITIS

- [75] Inventors: Franciscus J. Van Der Ouderaa, Neston; Diane Cummins, West Kirby; Derek M. Hull, Hawarden, all of Great Britain
- [73] Assignee: Chesebrough-Pond's USA Co., Division of Conopco, Inc., Greenwich, Conn.

[21] Appl. No.: 926,073

[22] Filed: Aug. 5, 1992

[30] Foreign Application Priority Data

Aug. 8, 1991 [GB] United Kingdom 9117140

[51] Int. Cl. 5 A61K 7/16; A61K 33/30

[52] U.S. Cl. 424/49; 424/642

[58] Field of Search 424/49-58,
424/642

[56] References Cited

U.S. PATENT DOCUMENTS

- 4,287,191 9/1981 Coburn et al. .
4,358,443 10/1982 Coburn et al. .
4,522,806 6/1985 Muhlemann et al. 424/642
4,575,457 3/1986 Mazarin 424/49
4,664,906 5/1987 Sipos 424/49
4,742,083 5/1988 Ritchey .
4,961,924 10/1990 Suhonen 424/52
4,997,640 3/1991 Bird et al. 424/49
5,015,467 5/1991 Smitherman 424/49
5,094,842 3/1992 Riley 424/49

FOREIGN PATENT DOCUMENTS

- 0161898 11/1985 European Pat. Off. .
0295954 12/1988 European Pat. Off. .
0474597 3/1992 European Pat. Off. .

508524 10/1992 European Pat. Off. .
92/10994 7/1992 PCT Int'l Appl. .
1489672 10/1977 United Kingdom .
1550139 8/1979 United Kingdom .

OTHER PUBLICATIONS

C.A. 117:239515T (1992), EP. 50852y Oct. 14, 1992, Hughes et al.

Agents and Actions, vol. 29, No. 3/4 (1990), pp. 232-238 "Inhibition of human periodontal prostaglandin E₂ synthesis with selected agents".

J. Clin Periodontal, vol. 18, No. 6, Jul. 1991, pp. 462-467 and 468-473 and vol. 17, No. 8, 1990, pp. 570-574.

The Merck Manual, pp. 2104-2106 1987.

Colgate Brochure entitled, "PerioGard: Setting New Standards in Periodontal Care", specifically the page entitled: Colgate Gum Protection Formula Toothpaste, 1985.

Primary Examiner—Shep K. Rose
Attorney, Agent, or Firm—Milton L. Honig

[57] ABSTRACT

The present invention relates to the prevention of periodontitis by the use of a medicament which contains Triclosan. It has been found that Triclosan has a considerable anti-cyclo-oxygenase activity, thus inhibiting the formation of prostaglandins which are mediators of the loss of alveolar bone in the periodontium. Reducing the formation of said prostaglandins therefore reduces said loss of alveolar bone, which is one of the symptoms connected with periodontitis.

The medicament is preferably in the form of a toothpaste.

3 Claims, No Drawings